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SERIAL NUMBER	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
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07/898,003 06/16/92 WENZEL

K PROCHO-P40A-

EXAMINER
BAGNELL, D

C5M1/0611

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ART UNIT

PAPER NUMBER

3506

3

DATE MAILED: 06/11/93

This is a communication from the examiner in charge of your application.
COMMISSIONER OF PATENTS AND TRADEMARKS

This application has been examined Responsive to communication filed on _____ This action is made final.

A shortened statutory period for response to this action is set to expire 3 month(s), 0 days from the date of this letter.
Failure to respond within the period for response will cause the application to become abandoned. 35 U.S.C. 133

Part I THE FOLLOWING ATTACHMENT(S) ARE PART OF THIS ACTION:

1. Notice of References Cited by Examiner, PTO-892.
2. Notice re Patent Drawing, PTO-948.
3. Notice of Art Cited by Applicant, PTO-1449. 2 sheets
4. Notice of Informal Patent Application, Form PTO-152.
5. Information on How to Effect Drawing Changes, PTO-1474.
6. _____

Part II SUMMARY OF ACTION

1. Claims 1, 2 are pending in the application.

Of the above, claims _____ are withdrawn from consideration.

2. Claims _____ have been cancelled.

3. Claims _____ are allowed.

4. Claims 1 are rejected.

5. Claims 2 are objected to.

6. Claims _____ are subject to restriction or election requirement.

7. This application has been filed with informal drawings under 37 C.F.R. 1.85 which are acceptable for examination purposes.

8. Formal drawings are required in response to this Office action.

9. The corrected or substitute drawings have been received on _____. Under 37 C.F.R. 1.84 these drawings are acceptable. not acceptable (see explanation or Notice re Patent Drawing, PTO-948).

10. The proposed additional or substitute sheet(s) of drawings, filed on _____ has (have) been approved by the examiner. disapproved by the examiner (see explanation).

11. The proposed drawing correction, filed on _____, has been approved. disapproved (see explanation).

12. Acknowledgment is made of the claim for priority under U.S.C. 119. The certified copy has been received not been received
 been filed in parent application, serial no. _____; filed on _____

13. Since this application appears to be in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11; 453 O.G. 213.

14. Other

EXAMINER'S ACTION

Serial No. 898003

-2-

Art Unit 3506

The drawings are objected to because Figs 1b and 2b must also be designated with the legend "PRIOR ART" since they are separate figure. Correction is required.

Also in Figs 1a and 1b, the numeral "12" is used twice. It appears that the lowermost designation should be changed to --18--.

The disclosure is objected to because of the following informalities: on page 3, line 21, "to" is extraneous and should be deleted.

On page 4, line 6 and in claim 22, part (d), line 6, "mate" should be changed to --mates-- for proper noun-verb agreement. On page 7, line 1, "extend" should be made plural for the same reason. In claim 2, part (d), line 4, "interior" should be changed to --internal-- for consistent terminology use.

Appropriate correction is required.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. § 103, the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 C.F.R. § 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of potential 35 U.S.C. § 102(f) or (g) prior art under 35 U.S.C. § 103.

The following is a quotation of the appropriate paragraphs of 35 U.S.C. § 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --
(e) the invention was described in a patent granted on an application for patent by another filed in the United States

Serial No. 898003

-3-

Art Unit 3506

before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

Claim 1 is rejected under 35 U.S.C. § 102(e) as being anticipated by Witte. Witte discloses an adjustable bent housing including first 1, second 3 and central 9 tubular members. An internal tubular member 6 extends into the internal bores of the first, second and central tubular members for maintaining the members in end to end relation with their axes in a predetermined relative position.

Claim 2 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

The patent to Obrecht discloses a bending device for a drill string that is implemented through rotation.

Any inquiry concerning this communication should be directed to Examiner David J. Bagnell at telephone number (703) 308-2168.

Bagnell/ph
June 10, 1993


DAVID J. BAGNELL
PRIMARY EXAMINER
GROUP 350